ESI*

ENGINEERING AND SCIENTIFIC INTERPRETER

A new software product
for Engineering and
Scientific computation.

At a modest price,
Conversational Programming
is brought to the users of
Compact-Sized digital computers.

ESI has been developed for the
following computational areas:

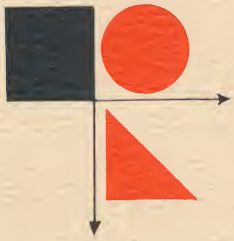
- problem solution presently performed on mechanical or electronic desk calculators.
- modest computational requirements presently accomplished on medium or large computing systems with long turn-around.
- as a local processing console in a larger time-sharing system.
- as an educational aid in teaching computer technology.

ESI can find immediate acceptance within your organization for extending the capabilities of already existing, low-cost general purpose machines.

ESI is now available for the PDP-5, PDP-8 and PDP-8/S computers.

*Trademark

- **straightforward**
- **conversational**
- **english language**
- **on-line response**
- **low cost**



APPLIED DATA RESEARCH, INC.

ROUTE 206 CENTER • PRINCETON, NEW JERSEY 08540

PROPRIETARY SYSTEMS ■ SOFTWARE DEVELOPMENT ■ MANAGEMENT SCIENCES ■ APPLICATION PROGRAMMING ■ RESEARCH

ESI* is easy . . . to learn

Just one hour of instruction puts you in the ESI chair beside your computer. ESI, an engineering and scientific interactive language, is designed to assist those having little experience in direct computer usage in obtaining solutions to a wide range of engineering, economic and research problems involving repetitive calculation. By means of simple, stylized English phrases entered through a standard teletypewriter console, the ESI user is afforded great on-line flexibility in creating and formulating his problem statement. He is also given natural and convenient techniques to initiate, monitor, conclude and reinitiate program execution.

. . . to use

ESI is designed to be used in a conversational mode; that is, the user formulates his problem step by step, while sitting right at the computer. As each step of the problem is typed in, it is checked by the computer and any errors in format or forbidden operations are at once brought to the user's attention. As soon as the steps of the problem have been completed they can be executed and the results checked. Steps can be quickly changed, added, or deleted.

One of the great advantages of a computer is that once a problem has been formulated for it, the machine can be made to automatically repeat the same steps in the calculation over and over again. Until now, the job of formulating the problem was costly, time-consuming, and generally required the talents of a specialist called a programmer. For many modest jobs of computation, a person unfamiliar with computers and programming would use a desk calculator or slide rule to avoid the delays, expense and bothersome detail of setting up his problem so that the programmer could understand it and translate it into the language of a computer.

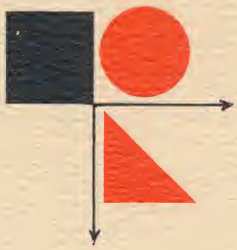
ESI avoids these difficulties by providing a set of simplified techniques that permit the user to communicate directly with the computer as if it were a desk calculator having the ability to remember and repeat what it had done before. Thus, the user has the advantages of the computer put at his disposal without the requirement that he master the intricacies of the programming profession.

. . . to get

ESI is a proprietary software development of Applied Data Research, Inc. and available at a low cost on a lease basis for the following computer systems:

DIGITAL EQUIPMENT CORPORATION's PDP-5 ** PDP-8 ** PDP-8/S **

For specific leasing arrangements or additional information, write to APPLIED DATA RESEARCH, INC., Route 206 Center, Princeton, New Jersey 08540.



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